1614

$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

(Case No. MBHB00-1257-B)

In the Application of:

Michael Campbell et al.

Art Unit: 1614

Serial No.: 10/005,064

Filed: December 4, 2001

Title: ABCA-1 Elevating Compounds

Commissioner for Patents
Washington, D.C. 20231

Sir:

TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached:
   - A. Letter RE: Information Disclosure Statement
   - B. Information Disclosure Statement
   - C. Form PTO-1449
   - D. Postcard

2. With respect to additional fees:
   - A. No additional fee is required.
   - X B. Attached is a check in the amount of $180.00

3. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.

4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this 19th day of November, 2002

By C. Blair Hughes

A Blair Hughes
Reg. No. 32,901

McDONNELL BOEHNEN HULBERT
& BERGHOFF
300 South Wacker Drive, Suite 3200
Chicago, Illinois 60606

#7
11/29/02
BW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. MBHB00-1257-B)

In the Application of:	)	
	)	
Michael Campbell et al.	)	Art Unit: 1624
	)	
Serial No. 10/005,064 ✓	)	
	)	Examiner: Rao
Filed: December 5, 2001 ✓	)	
	)	
Title: ABCA-1 Elevating Compounds ✓	)	

LETTER RE INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

The accompanying Information Disclosure Statement is being submitted after the mailing of the First Official Action in the above-referenced case. Therefore, a check for $180.00 required by the filing of this paper is attached.

Respectfully submitted,

C. Bl. Hughes ✓

A. Blair Hughes
Reg. No. 32,901

Date: November 19, 2002

11/22/2002 SSESHE1 00000076 10005064
01 FC:1806 180.00 OP

McDONNELL BOEHNEN HULBERT & BERGHOFF
300 South Wacker Drive, 32nd Floor
Chicago, Illinois 60606

#1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. MBHB00-1257-B)

In the Application of:	)	
	)	
Michael Campbell et al.	)	Art Unit: 1624
	)	
Serial No. 10/005,064	)	
	)	Examiner: D. Rao
Filed: December 4, 2001	)	
	)	
Title: ABCA-1 Elevating Compounds	)	

INFORMATION DISCLOSURE STATEMENT

Asst. Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97-1.98, applicants wish to make the following references of record in the above-identified application. These references may be material to the Examiner's consideration of the presently pending claims. Copies of the references cited below are enclosed along with a completed Form-1449.

U.S. Patents

	Patent No.	Inventors	Issue Date
1.	3,845,770	Theeuwes et al.	November 5, 1974
2.	4,326,525	Swanson et al.	April 27, 1982
3.	4,559,345	Gomarasca et al.	December 17, 1985
4.	4,902,514	Barclay et al.	February 20, 1990

McDONNELL BOEHNEN HULBERT & BERGHOFF
300 South Wacker Drive, 32nd Floor
Chicago, Illinois 60606

	Patent No.	Inventors	Issue Date
5.	4,992,445	Lawter et al.	February 12, 1991
6.	5,001,139	Lawter et al.	March 19, 1991
7.	5,023,252	Hseih	June 11, 1991
8.	5,616,345	Geoghegan et al.	April 1, 1997
9.	5,691,364	Buckman et al.	November 25, 1997
10.	6,150,362	Henkin et al.	November 21, 2000

Foreign Patents

	Patent No.	Inventors	Publication Date
11.	WO 81/0320	Harris	October 29, 1981
12.	WO 00/43369	Konradi	July 27, 2000
13.	WO 01/47897	Moriarty, et al.	July 5, 2001
14.	DE 195 36 891	Klinge et al.	April 10, 1997
15.	DE 12 20 860 (with translation)	Grigat, et al.	July 14, 1966

Printed Publications

16. Walker, et al., "The Adenosine 5',5'", P_1, P_4-Tetraphosphate Receptor Is at the Cell Surface of Heart Cells," *Biochemistry*, 32, 14009-14014 (1993).

17. Smith, et al., "Cyclic AMP Induces Apolipoprotein E Binding Activity and Promotes Cholesterol Efflux from a Macrophage Cell Line to Apolipoprotein Acceptors, *The Journal of Biological Chemistry,* vol. 271, pp. 30647-30655 (1996).

18. Francis, et al., "Defective Removal of Cellular Cholesterol and Phospholipids by

McDONNELL BOEHNEN HULBERT & BERGHOFF
300 South Wacker Drive, 32nd Floor
Chicago, Illinois 60606

Apolipoprotein A-1 in Tangier Disease," *J. Clin. Invest.,* vol. 96, pp. 79-87 (1995).

19. Oram, et al., "Reduction in Apolipoprotein-mediated Removal of Cellular Lipids by Immortalization of Humans Fibroblasts and its Reversion by cAMP: Lack of Effect with Tangier Disease Cells," *Journal of Lipid Research,* vol. 40, pp. 1769-1781 (1999).

20. Cheung, et al., "Antioxidant Supplements Block the Response of HDL to Simvastatin-Niacin Therapy in Patients With Coronary Artery Disease and Low HDL," *Arterioscler Thromb. Vasc. Biol.,* 21(8) pp. 1320-26 (2001).

21. Kirtharides, et al., "Cholesterol Metabolism and Efflux in Human THP-1 Macrophages," *Thrombo Vasc. Biol.,* 18, pp. 1589-1599 (1998).

22. Falch, et al., "Substituted Heteroaromatic Anthranilic Acids with Antiinflammatory Activity," *Journal of Medicinal Chemistry*, Vol. 11, pp. 608-611 (1968)

23. Ward, et al.., "Irreversible Enzyme Inhibitors 200.1 Active-Site-Directed Inhibitors of Deoxycytidine Kinase", *Journal of Medicinal Chemistry*, Vol. 20, pp. 88-92 (1977)

24. Schwartz, et al., "ABC1 Gene Expression and ApoA-1-Medited Cholesterol Efflux Are Regulated by LXR", *Biochemical and Biophysical Research Communications*, 274, pp. 794-802 (2000).

25. Chemical Abstracts, Vol. 72, no. 13, Abstract No. 67000e, Kuroiki, et al. "Triazine Compounds", p. 410 (1970).

26. Chemical Abstracts, Vol. 72, no. 13, Abstract No. 66998z, Mueller, et al. "Furylaminotriazines which promote growth of plants", p. 410 (1970).

27. Taylor, et al., "The Rearrangement of 5-Nitroso-6-aminopyrimidines to s-Triazines", *J.Am. Chem. Soc.,* Vol. 84, pp. 3744-3748 (1962).

28. Kuwano, et al., "Synthese von 1,3,5-Triazinen aus Aminosaure-Drivaten", *Argic. Biol.Chem.*, vol. 35, pp. 1572-1577 (1971).

29. Goghari, et al., "Studies on s-Triazinyl Aryl/Alkyl Sulphones", *J. Indian Chem. Soc.,* vol. 53, pp. 207-208 (1976).

30. Masquelin, et al. "Solution and Solid Phase Synthesis of Combinatorial Libraries of Trisubstituted 1,3,5- Triazines", *Heterocycles,* vol. 48, pp. 2489-2506 (1998).

McDONNELL BOEHNEN HULBERT & BERGHOFF
300 South Wacker Drive, 32nd Floor
Chicago, Illinois 60606

31. Omokawa, et al., "Phyotoxic Activity of Substituted α-Methylbenzylamino Derivatives of 2-Chloro (or Methylthio)-4-ethylamino-s-triazines", *Agric. Biol. Chem.,* vol. 52, pp. 1047-1048 (1988).

32. Baker, et al., "Puromycin.Synthetic Studies. VI. Analogs of 6-Dimethylaminopurine", *J. Org. Chem.,* vol. 26, pp. 1793-1801 (1954).

33. Koppel, et al., "Pyrimidines I. Synthesis of Pyrimidinethiols", *J. Org. Chem.,* vol. 26, pp. 792-803 (1961).

34. Asthana, et al., "Synthesis of 9-aryl/pyrimidyl/alkyl-subsituted-(oxy/amino/carbonyl)-acridines and 1,3-bis(9-acridinyl)propan-2-ols as potential anticancer agents", *Indian Journal of Chemistry,* vol. 30B, pp. 853-858 (1991).

35. Okafor, et al., "Studies in the Heterocyclic Series. XVI. Open Azaphenothiazines as New Central Nervous System Depressants", *Chem. Pharm. Bull,* vol. 30, pp. 302-318 (1982).

36. Kelarev, et al., "Synthesis and Properties of sym-Triazine Derivatives", *Chem. Hetercycl. Compd.,* vol. 23, pp. 1118-1123, (1987).

37. Podzigun et al, "Chemical Properties of Acylated Derivatives of 4,6-Diamino-2-Mercaptopyrimidine", *Bull. Acad. Sci. USSR Div. Chem. Sci.,* vol. 29, pp. 1820-1823.

38. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203489, Database-Accession no. 649727.

39. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203490, Database-Accession nos. 825556, 835148.

40. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203491, Database-Accession no. 4554677.

41. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203492, Database-Accession nos. 847903, 858797.

McDONNELL BOEHNEN HULBERT & BERGHOFF
300 South Wacker Drive, 32nd Floor
Chicago, Illinois 60606

42. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203493, Database-Accession no. 590307.

43. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203494, Database-Accession nos. 610033, 8260251, 8261917, 8263806, 8264837, 8265543, 8265549, 8265662, 8265677, 8268675, 8274019, 8290516.

44. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203495, Database-Accession nos. 6869560, 6870711, 6871427, 6872174, 6894394.

45. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203496, Database-Accession nos. 22301, 37158.

46. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203497, Database-Accession no. 721058.

47. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203498, Database-Accession no. 4879840.

48. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203499, Database-Accession nos. 5571913, 5579402.

49. Database Crossfire Beilstein, 'Online Beilstein Institut zur Foerderung der Wissenschaftern, Frankfurt, am Main, DE: XP002203500 Database-Accession nos. 6410850, 6425583, 6434370

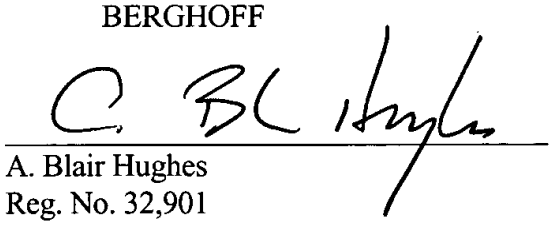
50. Database Chemcats 'Online, Chemical Abstract Service, Columbus, Ohio, XP002203501, Order Numbers: 10L-567S, 10L-566S, 10L-565S, 10L-561S, 10L-560S, 10L-549S, 10L-525S, 10L-523S, 10L-502S.

McDONNELL BOEHNEN HULBERT & BERGHOFF
300 South Wacker Drive, 32nd Floor
Chicago, Illinois 60606

Respectfully submitted,

McDONNELL BOEHNEN HULBERT & BERGHOFF

Dated: November 19, 2002

By: 

A. Blair Hughes
Reg. No. 32,901

McDONNELL BOEHNEN HULBERT & BERGHOFF
300 South Wacker Drive, 32nd Floor
Chicago, Illinois 60606